



泉州市根通通信技术有限公司

quanzhou Gen tong communication Technology Co.,Ltd





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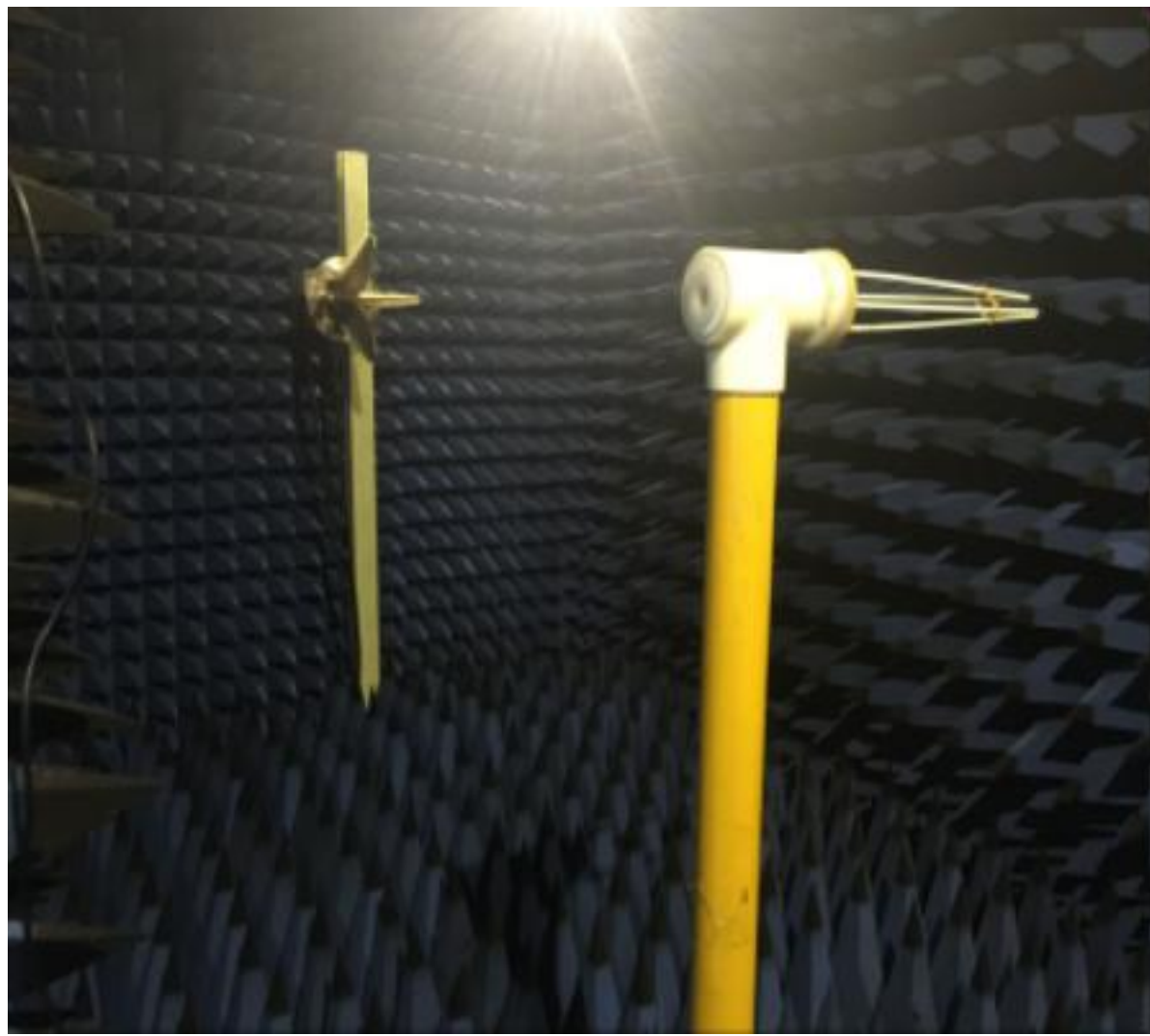
项目名/Antenna model		GL8-NA
UR		
	Frequency band	B1/2/3/4/5/7/8/12/13/17/66/38/40/41



catalogue

1. Introduction to the testing darkroom
2. Machine pictures
3. Environmental treatment
4. Passive SWR
- 5.0TA active data
- 6.Frequency range
7. Antenna gain

1. 测试暗室简介 /Introduction to testing darkroom



2 . 机台图片/Machine photos



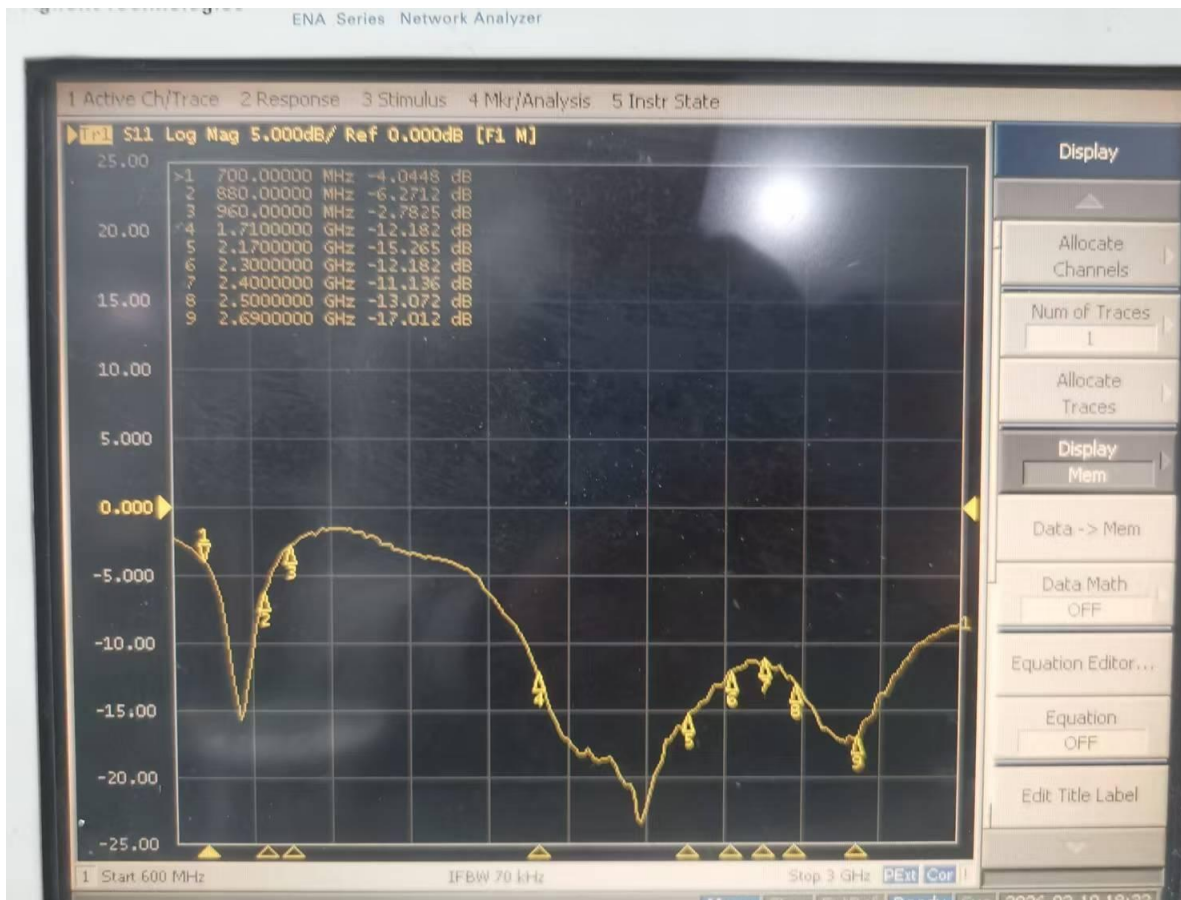
Antenna model: GL8-NA



3 . 环境处理/**Environmental treatment**

NA

4 . 无源SWR/Passive SWR



6 . OTA有源数据/OTA active data

Test Condition		Free Space		
band	Channel	TRP (dBm)	TIS (dBm) 10MHZ	Cain (dBi)
LTE B2	L	22.67		2.00
	M	21.71		
	H	20.08	-96.61	
LTE B4	L	21.43		2.03
	M	21.63		
	H	21.43	-97.48	
LTE B5	L	19.94		1.57
	M	21.22		
	H	20.43	-95.21	
LTE B7	L	20.58		2.01
	M	19.16		
	H	20.44	-93.52	



5 . OTA有源数据/OTA active data

Test Condition		Free Space		
band	Channel	TRP (dBm)	TIS (dBm) 10MHZ	Cain (dBi)
LTE B12	L	20.54		1.52
	M	18.12		
	H	20.19	-90.13	
LTE B13	L			1.52
	M	20.4	-92.5	
	H			
LTE B17	L	18.74		1.52
	M	19.38		
	H	19.96	-91.36	
LTE B66	L	19.41		2.03
	M	19.54		
	H	19.84	-94.36	



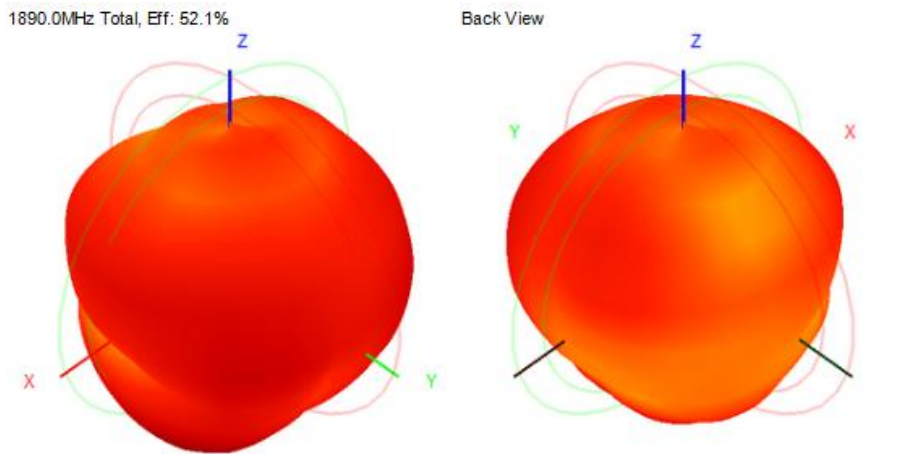
5 . OTA有源数据/OTA active data

Test Condition		Free Space		
band	Channel	TRP (dBm)	TIS (dBm) 10MHZ	Cain (dBi)
LTE B38	L	20.14		2.01
	M	19.68		
	H	21.64	-97.69	
LTE B41	L	20.41		2.01
	M	20.51		
	H	19.87	-97.02	

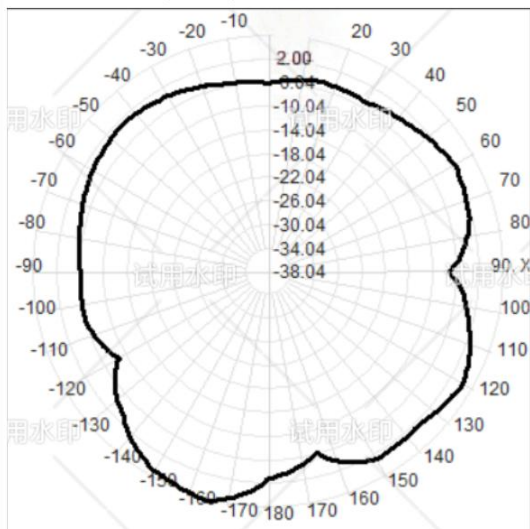
六. 频率范围/Frequency range

B1	(TX) 1920~1980MHZ (RX)2110~2170MHZ
B2	(TX) 1850~1910MHZ (RX)1930~1990MHZ
B3	(TX) 1710~1785MHZ (RX)1805~1880MHZ
B4	(TX) 1710~1755MHZ (RX)2110~2155MHZ
B5	(TX) 824~849MHZ (RX)869~894MHZ
B7	(TX) 2500~2575MHZ (RX) 2620~2690MHZ
B8	(TX) 880~915MHZ (RX) 925~960MHZ
B12	(TX) 699~716MHZ (RX)729~746MHZ
B13	(TX) 777~787MHZ (RX) 746~756MHZ
B17	(TX) 704~716MHZ (RX)734~746MHZ
B38	2570~2620MHZ
B41	2496~2690MHZ
B40	(TX)1710~1780MHZ (RX) 2110 ~2180MHZ

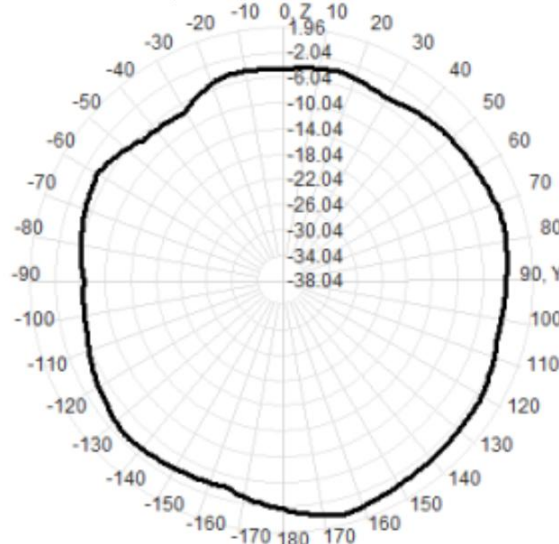
7 . B2



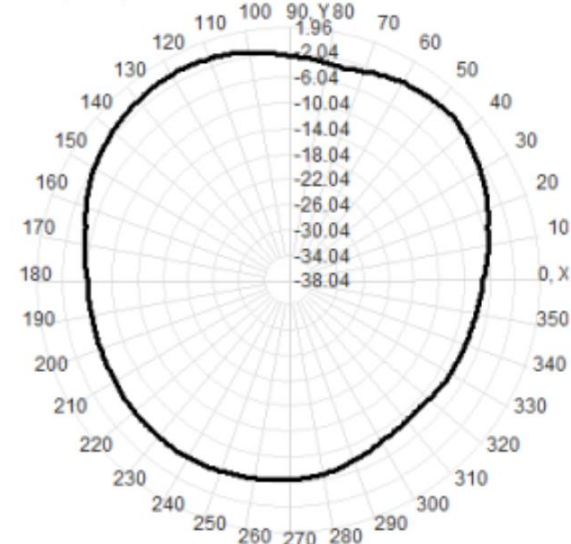
1890.0MHz Total(E1-XZ), Max= 2.00dBi



1890.0MHz Total(E2-YZ), Max= 0.09dBi



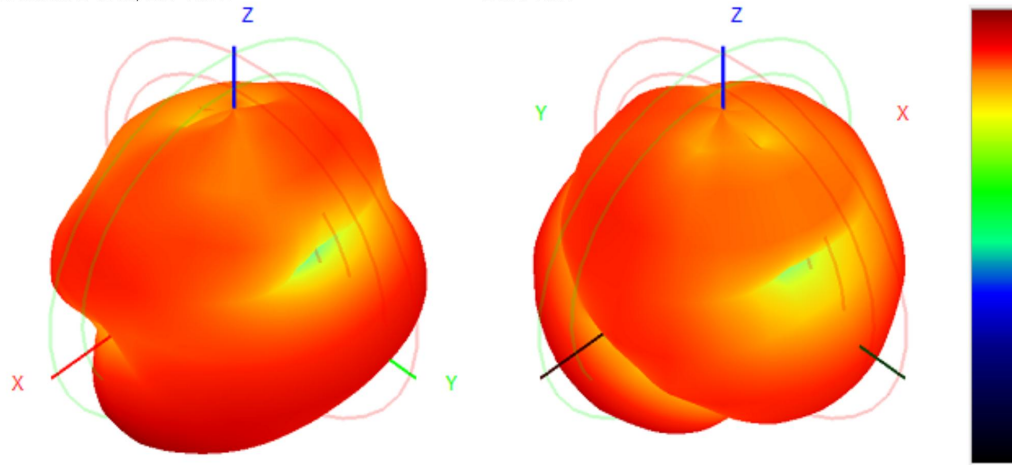
Total(H-XY), Max= -0.62dBi, CirD=8.66



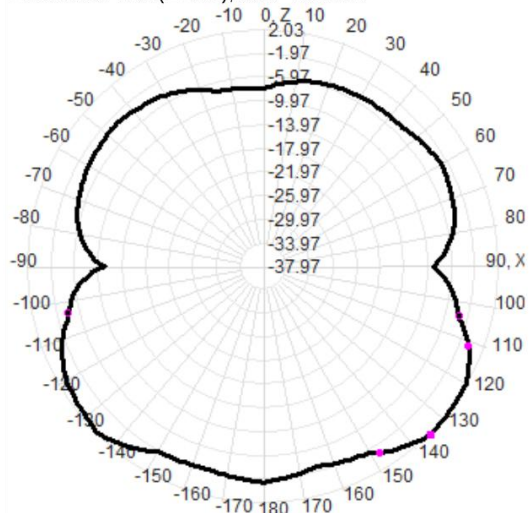
7 . B4/B66

1750.0MHz Total, Eff: 44.9%

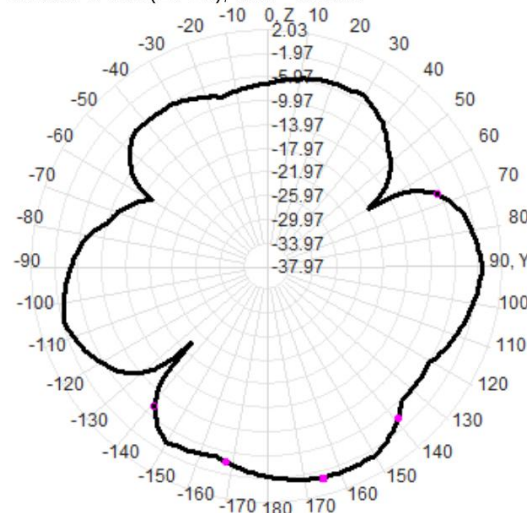
Back View



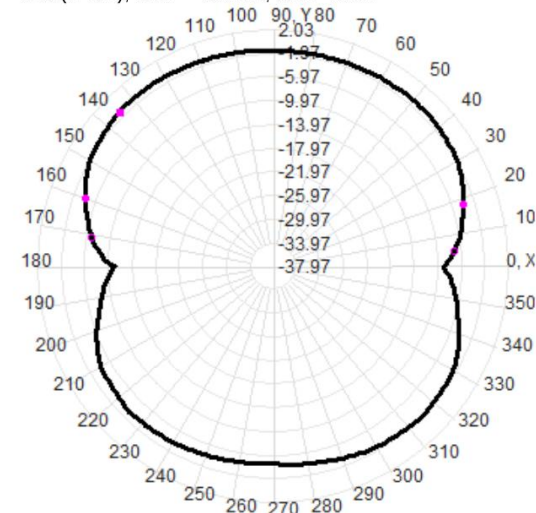
1750.0MHz Total(E1-XZ), Max= 2.03dBi



940.0MHz Total(E2-YZ), Max= -1.19dBi



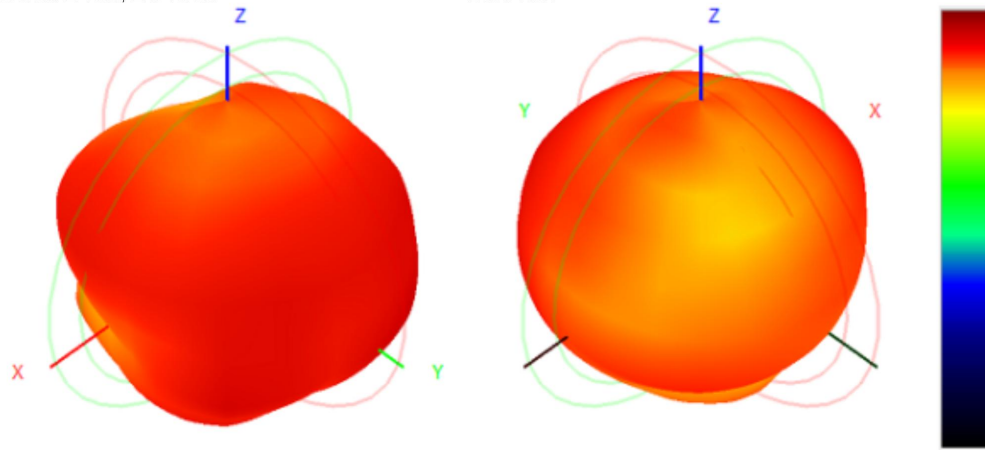
Total(H-XY), Max= -1.06dBi, CirD=10.09



7 . B5/B8

880.0MHz Total, Eff: 43.3%

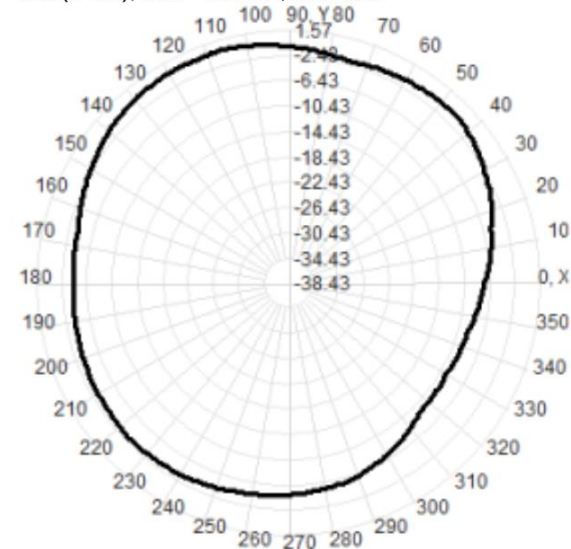
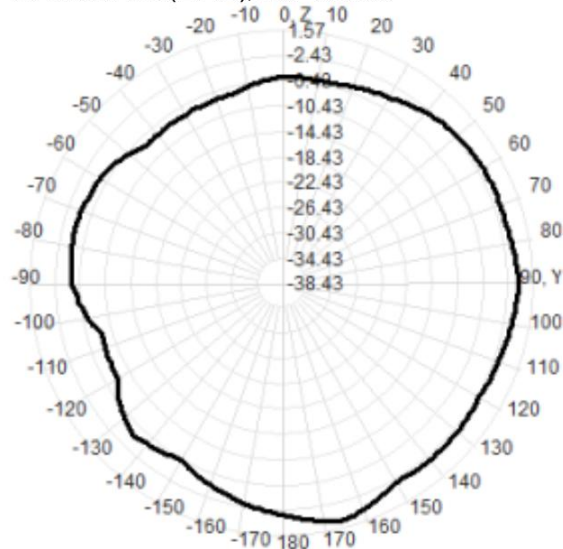
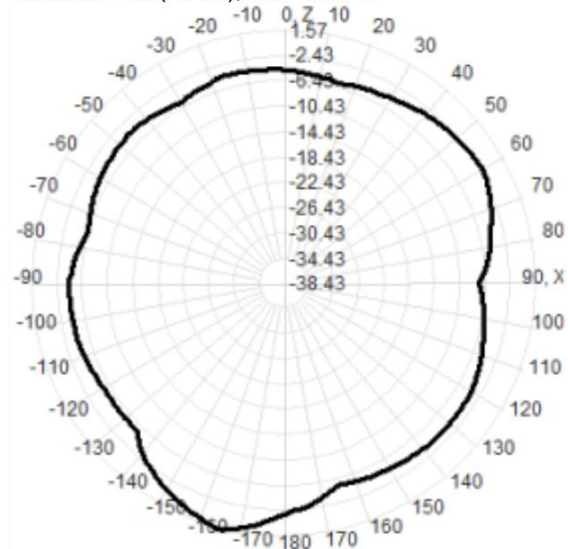
Back View



880.0MHz Total(E1-XZ), Max= 1.57dBi

1970.0MHz Total(E2-YZ), Max= 0.15dBi

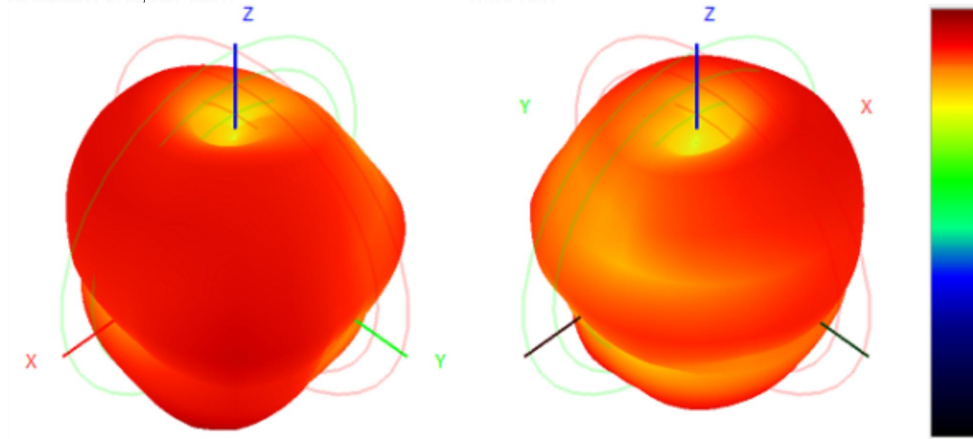
Total(H-XY), Max= -0.13dBi, CirD=9.63



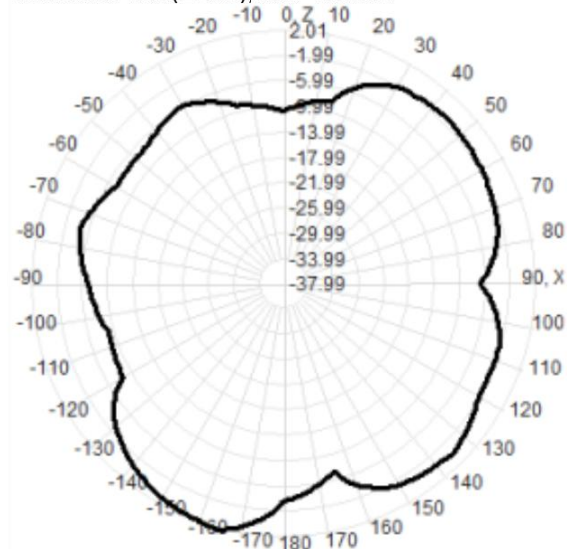
7 . B7/B38/B41

2550.0MHz Total, Eff: 49.6%

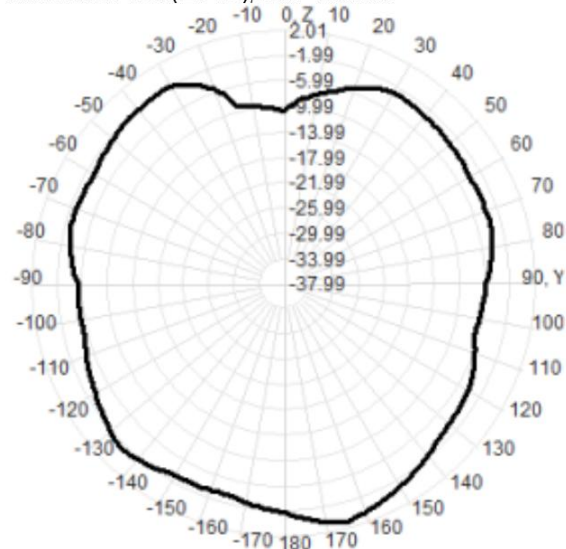
Back View



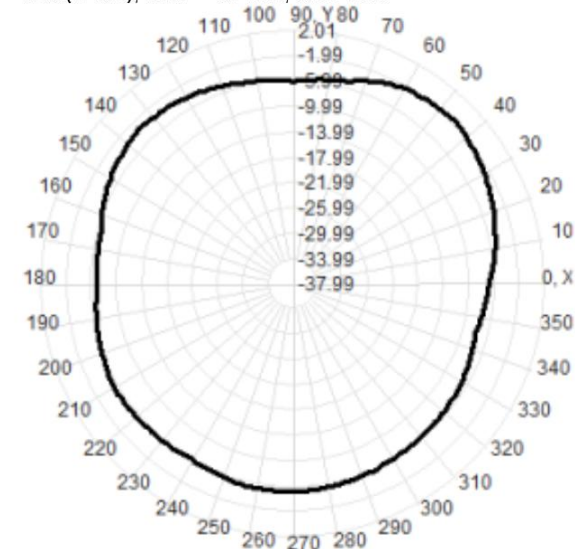
2550.0MHz Total(E1-XZ), Max= 2.01dBi



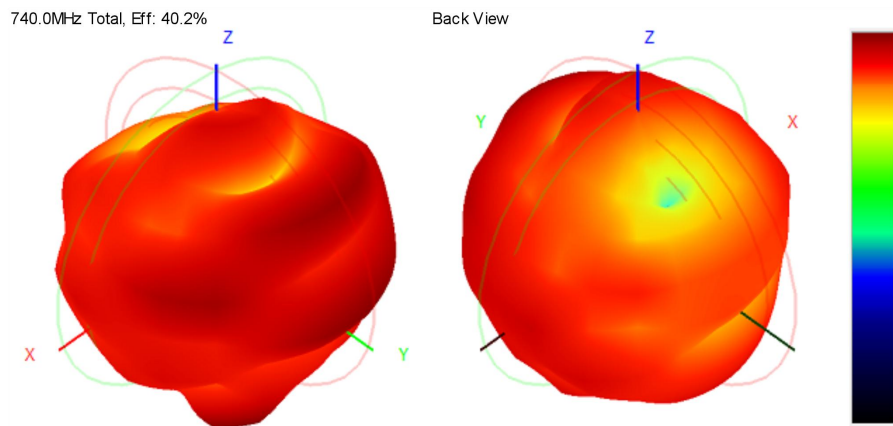
2550.0MHz Total(E2-YZ), Max= 0.65dBi



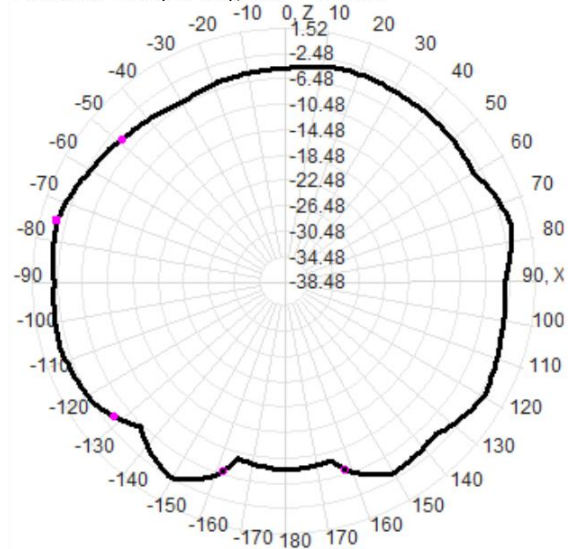
Total(H-XY), Max= -1.71dBi, CirD=6.39



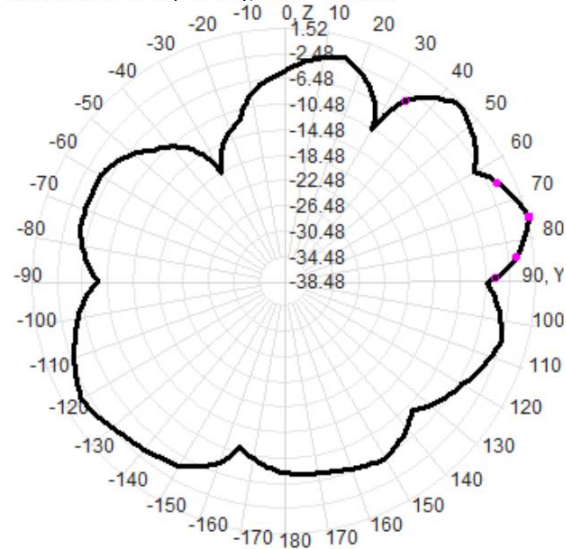
7 . B12//B13/B17



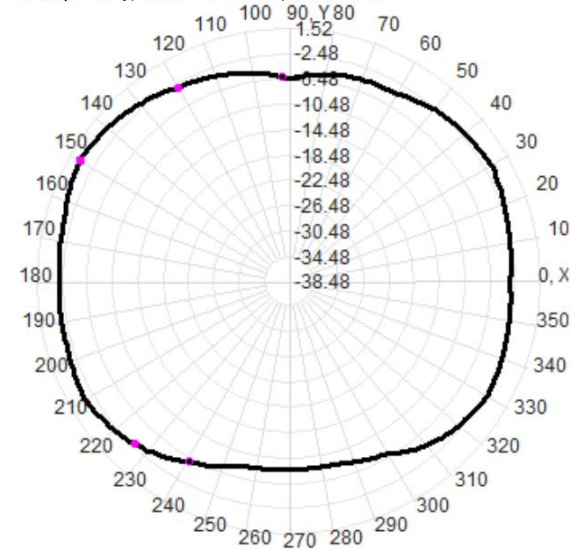
740.0MHz Total(E1-XZ), Max= -1.20dBi



2525.0MHz Total(E2-YZ), Max= 1.52dBi



Total(H-XY), Max= -0.12dBi, CirD=8.90





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Thank you

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